

# SYSTEM AND METHOD TO PROVIDE VIDEO TO A PLURALITY OF WIRELESS DISPLAY DEVICES

## ABSTRACT OF THE DISCLOSURE

A system and a method for multicasting various versions of video having different levels of quality to a plurality of wireless display devices having different data rates are illustrated herein. Each display device can be associated with one of a plurality of multicast groups based on the data rate between an access point and the display device. A video provider can then generate a different version for each multicast group, each version generated to allow the presentation of the version in real-time at the intended wireless display devices of the multicast group. Higher-quality versions can be multicast to those multicast groups capable of supporting a higher data transmission rate, while lower-quality versions are sent to those multicast groups supporting lower data transmission rates. Likewise, the version transmitted to a certain wireless display device can be dynamically changed based on a changing data transmission rate.